

## ***WFO Wichita Public Forecast (SOOVER) Statistics for Fall '02 (Sep-Nov)***

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### **TEMPERATURES**

The following chart compares CCF, FWC, MAV, and MET average absolute error for the 1<sup>st</sup> 4 periods of the public forecast. It shows CCF improvement over the FWC, MAV, and MET guidance. The lower the error, the better.

Station	Average Absolute Error				CCF % Improvement over		
	CCF	FWC	MAV	MET	FWC	MAV	MET
WICHITA	3.08	3.78	3.36	3.84	18.6	8.3	19.8
CHANUTE	3.29	4.07	3.60	3.91	19.0	8.4	15.8
RUSSELL	2.96	3.89	3.52	3.79	24.0	15.9	21.9
SALINA	3.14	4.09	3.71	3.91	23.1	15.4	19.5
<b>ALL</b>	<b>3.12</b>	<b>3.96</b>	<b>3.55</b>	<b>3.86</b>	<b>21.2</b>	<b>12.1</b>	<b>19.3</b>

The following chart shows the percentage of the time in each period that temperature forecasts missed by (+/-) 3 degrees or less. The higher the percentage, the better.

Station		CCF	FWC	MAV	MET
WICHITA	1 <sup>st</sup> Pd	74%	65%	67%	66
	2 <sup>nd</sup> Pd	66	56	62	58
	3 <sup>rd</sup> Pd	64	58	59	50
	4 <sup>th</sup> Pd	58	50	52	46
CHANUTE	1 <sup>st</sup> Pd	72	60	69	66
	2 <sup>nd</sup> Pd	63	53	56	59
	3 <sup>rd</sup> Pd	54	51	55	50
	4 <sup>th</sup> Pd	51	41	49	49
RUSSELL	1 <sup>st</sup> Pd	72	62	67	62
	2 <sup>nd</sup> Pd	72	58	59	57
	3 <sup>rd</sup> Pd	63	49	57	48
	4 <sup>th</sup> Pd	61	50	58	49
SALINA	1 <sup>st</sup> Pd	75	57	64	66
	2 <sup>nd</sup> Pd	65	50	54	59
	3 <sup>rd</sup> Pd	59	43	55	51
	4 <sup>th</sup> Pd	58	48	54	44
<b>ALL</b>	<b>1<sup>st</sup> Pd</b>	<b>73%</b>	<b>61%</b>	<b>67%</b>	<b>65%</b>
	<b>2<sup>nd</sup> Pd</b>	<b>67</b>	<b>54</b>	<b>58</b>	<b>58</b>
	<b>3<sup>rd</sup> Pd</b>	<b>60</b>	<b>50</b>	<b>57</b>	<b>50</b>
	<b>4<sup>th</sup> Pd</b>	<b>57</b>	<b>47</b>	<b>53</b>	<b>47</b>

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**PRECIPITATION**

The following chart shows average brier scores, average WET PoPs (PoPs on days when we had measurable precipitation), and average DRY PoPs (PoPs on days when we did not have measurable precipitation). The lower the brier score, the higher the WET PoP, and the lower the DRY PoP, the better.

<b>Station</b>	<b>CCF</b>	<b>FWC</b>	<b>MAV</b>	<b>MET</b>	<b>FWC</b>	<b>CCF % Improvement over MAV</b>	<b>MET</b>
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<b>WICHITA</b>							
Average Brier Score	.090	.097	.091	.087	7.2	1.1	-3.3
Average WET PoP	41%	45%	44%	47%			
Average DRY PoP	7%	10%	9%	9%			
<b>CHANUTE</b>							
Average Brier Score	.069	.076	.068	.076	9.2	-1.4	9.2
Average WET PoP	46%	48%	52%	54%			
Average DRY PoP	11%	13%	13%	14%			
<b>RUSSELL</b>							
Average Brier Score	.090	.093	.091	.090	3.2	1.1	0.0
Average WET PoP	39%	44%	43%	42%			
Average DRY PoP	8%	10%	10%	9%			
<b>SALINA</b>							
Average Brier Score	.086	.089	.088	.089	3.4	2.3	3.4
Average WET PoP	41%	46%	45%	44%			
Average DRY PoP	9%	11%	11%	10%			
<b>ALL</b>							
Average Brier Score	<b>.0838</b>	<b>.0888</b>	<b>.0845</b>	<b>.0855</b>	<b>5.6%</b>	<b>0.8%</b>	<b>2.0%</b>
Average WET PoP	<b>42%</b>	<b>46%</b>	<b>46%</b>	<b>47%</b>			
Average DRY PoP	<b>9 %</b>	<b>11%</b>	<b>11%</b>	<b>11%</b>			